

Release notes for ENDF/B Development g-006_C_013
evaluation

ENDF
B-VII.dev

December 2, 2016

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT= 628, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT= 628, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      31 TO      34
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT= 628, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT= 628, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      31
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT= 628, MF= 3, MT= 5 (0): Directory (b)

```
ERROR(S) FOUND IN MAT= 628, MF= 3, MT= 5
SECTION 3/ 5 NOT IN DIRECTORY      RECORD NUMBER      36
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT= 628, MF= 6, MT= 5 (0): Directory (b)

```
ERROR(S) FOUND IN MAT= 628, MF= 6, MT= 5
SECTION 6/ 5 NOT IN DIRECTORY      RECORD NUMBER      67
```

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: sumOfRemainingOutputChannels / Cross section: (Error # 0): Threshold mismatch

```
WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.9463e6 eV!
```

2. The r(E) in Kalbach-Mann formulation is outside of allowed bounds
reaction label 0: sumOfRemainingOutputChannels / Product: H1 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Kalbach goof

```
WARNING: Invalid 'r' in KalbachMann distribution at incident energy 2.15e7 eV. Value=1.096, should be in range 0
WARNING: Invalid 'r' in KalbachMann distribution at incident energy 2.35e7 eV. Value=1.073, should be in range 0
```